

EFNOTE PRO

Sound Module
700 series
500 series

Quickstart Guide



EN

Hello!

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- * For more detailed information, please refer to the "Reference Guide" PDF available on the web below.
- * All illustrations and screens appearing in this document are for the purpose of explaining operation, and may differ from the actual product or specifications.

For the EFNOTE PRO Reference Guide, optional components, or other latest information, please refer to the web below.

EFNOTE PRO Web

ef-note.com/products/drums/EFNOTEPRO

Optional Components Information

ef-note.com/products/drums/components



EFNOTE PRO





Optional Components

IMPORTANT SAFETY INSTRUCTIONS




FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS MAY RESULT IN FIRE, ELECTRIC SHOCK, INJURY TO PERSONS, OR DAMAGE TO OTHER ITEMS OR PROPERTY.

You must read and follow these instructions, heed all warnings, before using this product. Please keep this guide for future reference.

About warnings and cautions

 WARNING	Indicates a hazard that could result in death or serious injury
 CAUTION	Indicates a hazard that could result in injury or property damage

About the symbols

	"Caution": Calls your attention to a point of caution
	"Do not ...": Indicates a prohibited action
	"You must ...": Indicates a required action

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture



Do not use or store in the following locations

- Locations subject to water or rain
- Moist or humid locations (near a bath or shower, or on a wet floor)
- High temperature locations (in direct sunlight, near heating equipment)
- Locations subject to salt damage
- Excessively dusty locations



Turn the power off if an abnormality or accident occurs

In the following situations, immediately turn off the power, disconnect the AC adapter from the AC outlet, and contact your dealer.



- If the AC adapter, power cord, or plug is damaged
- If smoke is emitted or an abnormal odor is noticed
- If liquid or a foreign object enters the product
- If an abnormality or malfunction occurs in the product



Do not plug or unplug the AC adapter with wet hands

You risk electric shock.



Do not drop or subject to strong impact

Do not drop this product or subject it to strong impact.



Do not disassemble

Do not disassemble or modify this product and AC adapter.



Do not damage the power cord

Do not excessively bend the power cord or damage it. Do not place heavy objects on top of the power cord. Doing so may damage the power cord, causing fire or electric shock.



Use the included AC adapter

Use only the included AC adapter. Use the adapter with the voltage that it specifies.

CAUTION



Do not place the product in an unstable location

Doing so may cause the product to overturn, causing personal injury.



Do not sit or stand on the product, or place heavy objects on it

Doing so may damage the product. You should also avoid applying excessive force to the buttons, knobs, display, and input/output jacks. Doing so will cause malfunctions.



Do not use the product at a high volume for an extended time

Using speakers or headphones at high volume for an extended time will damage your hearing.



Grasp the power plug when connecting or disconnecting

When connecting or disconnecting the AC adapter from the product, you must grasp the plug rather than pulling the power cord.



Disconnect the power plug from the AC outlet during lightning storms or when unused for long periods of time

Failure to do so may cause electric shock, fire, or malfunction.



Disconnect all connections before moving the product

Failure to do so may cause damage to the power cord or cables, or may cause people to trip over the cables.



Handle the product with care

Take care that your hands or fingers are not injured by corners, edges or openings of the product.



Keep small parts out of reach of children

Keep small parts out of reach of children who might accidentally swallow them.



Supervise or give guidance when children use this product or children are present around this product

Always take care that children are not injured with this product.

Important Information

Power supply

- A small amount of current flows even when the power is turned off. If you will not be using this product for an extended period of time, you may desire to unplug the AC adapter from the AC outlet.

Regulatory compliance for radio emission devices

- You should keep turning the Bluetooth off when using the product in a country/region other than where it sold.
- The following actions may violate the law.
 - Disassembling or modifying this product.
 - Removing the certification label on the product.

Placement

- Do not use this product near other electrical products such as televisions, radios. This product may cause noise in televisions or radios.

Cleaning

- Use a soft dry cloth to clean the product. Do not use benzene, thinner, detergent, or chemically treated cloth, since these can cause deformation or discoloration.

Data

- Please be aware that the manufacturer bears no responsibility for any consequences that may arise from damage to or loss of data.
- In some cases, equipment malfunction or incorrect operation can cause the contents of the memory to be lost. Please make a backup of any important data that is in the memory.

Copyright and Licenses

- Duplication or reuse of the music and sound data contained in or included with this product without permission from the copyright holder is forbidden (with the exception of copying for personal use as permitted by copyright law).
- Copyright for the content (sound data, phrase data, audio data, image data, computer programs, etc.) contained in or included with this product is the property of Ef-Note Inc. Copyright law forbids you to use the above content without permission of Ef-Note Inc. for any purpose other than personal use.
- The above content that is contained in or included with this product may not be resold, distributed, or published, neither in its existing form nor in any way that resembles it.
- ASIO is a trademark and software of Steinberg Media Technologies GmbH.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc..
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Copyright © 2001 Robert Penner
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- Company names or product names etc. appearing in this document are the registered trademarks or trademarks of their respective corporate owners.
- EFNOTE is a trademark or registered trademark of Ef-Note Inc.

* Ef-Note Inc. cannot be held responsible for damage caused by improper use or modifications to the product, or loss of data.

* Ef-Note Inc. cannot be held responsible for any direct or indirect damage caused by failure or malfunction of this product.

For EU countries, and UK



Ef-Note Inc. hereby declares that the type of radio equipment EFNOTE PRO (EFD-PRO, EFDPRO7-STDSET, EFDPRO5-STDSET) complies with Directive 2014/53/EU (CE), and 2017 No.1206 (UKCA).
The full text of the EU Declaration of Conformity is available at : ef-note.com/compliance



This symbol on the product means that used electrical and electronic equipment should not be mixed with general household waste. The correct disposal will help prevent potential negative effects on human health and the environment. For proper treatment, recovery and recycling, please contact your city office, waste disposal servicer or the shop which you purchased the product.

For the USA

WARNING

This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

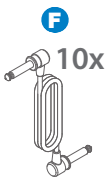
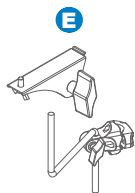
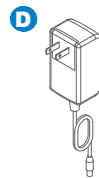
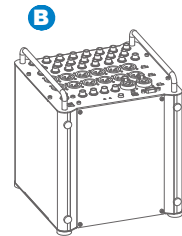
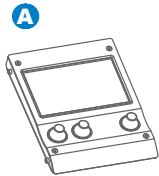
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

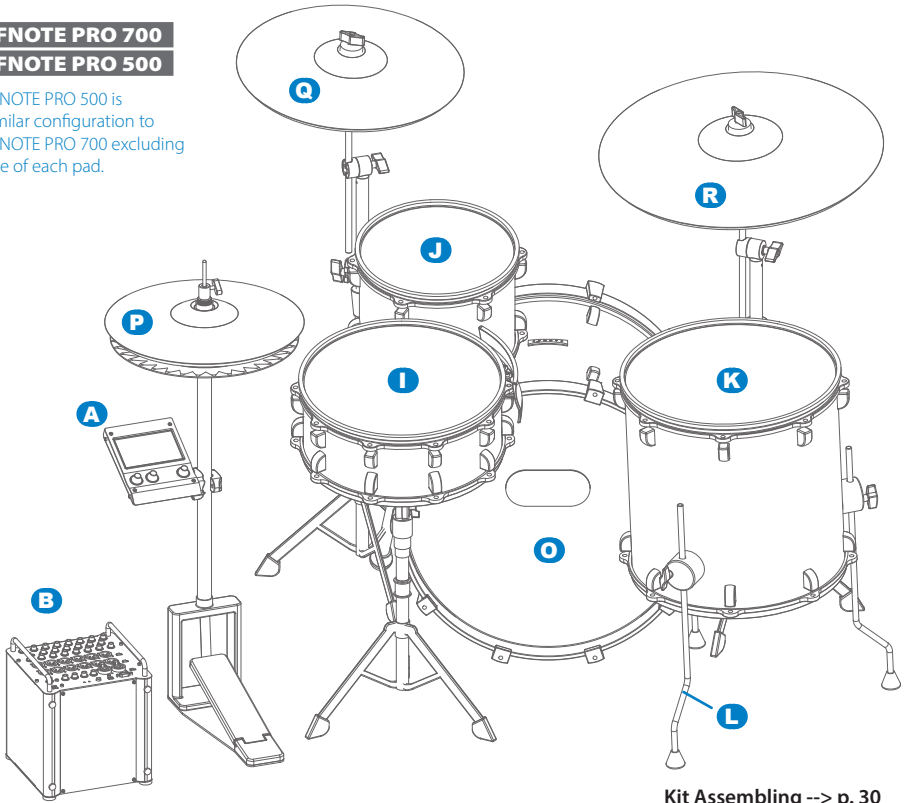
Packing List

	EFNOTE PRO 700 series BOX1	EFNOTE PRO 500 series BOX1	EFNOTE PRO SOUND MODULE	
A	Sound Module (Control Surface)			1x
B	Sound Module (Base Unit)			1x
C	Link Cable 2.0m (EFD-DSUB9-2)			1x
D	AC Adapter (FJ-SW1202000N-EFNOTE)			1x
E	Module Mount Set			1x
F	Trigger Cable 3.0m (EFD-TRS-LL3)			10x
G	Hi-Hat Cable L 3.0m (EFD-DIN6-LL3)			1x
H	Smartphone Tray Set			1x
	Tuning Key			1x
	Cable Tie			10x
	Cable Label			2x
	Quickstart Guide			1x
I	14" Snare with Side-Rim	12" Snare with Side-Rim	-	1x
J	11" Tom	10" Tom	-	1x
K	15" Floor Tom	12" Floor Tom	-	1x
L	Floor Tom Leg			3x
M	-	Tom Mount Set	-	1x
N	Hex Key	-	-	1x
	EFNOTE PRO 700 series BOX2	EFNOTE PRO 500 series BOX2		
O	20" Kick	16" Kick	-	1x
P	14" Hi-Hat Cymbals			1x
Q	16" Standard Cymbal			1x
R	20" Ride Cymbal	18" Ride Cymbal	-	1x
S	Beater Patch			1x



EFNOTE PRO 700
EFNOTE PRO 500

* EFNOTE PRO 500 is similar configuration to EFNOTE PRO 700 excluding size of each pad.

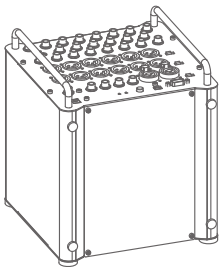


Kit Assembling --> p. 30

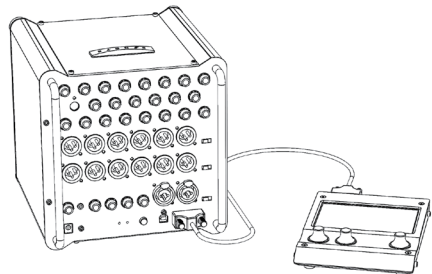
NOTE

The hardware shown in this manual, including kick pedal, hi-hat stand, snare stand, tom stand/holder and cymbal stands are optional, and may be included depending on the package purchased. For details, please contact the store where you purchased the product.

On the floor



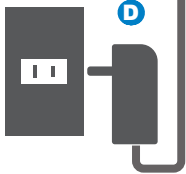
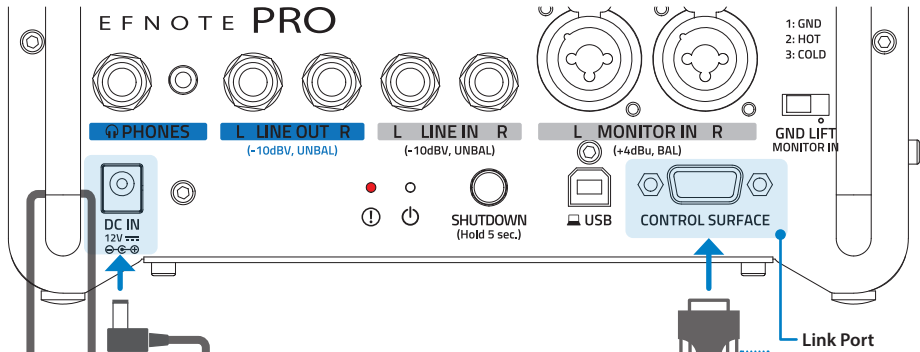
Desktop use



Connection and Panel Description

■ Connecting the Power and Link Cable

B Base Unit



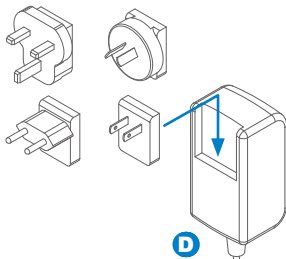
AC Adapter

(Included)

Firmly attach the included plug which is suitable for the outlet in your region.

CAUTION

* Use only the included AC adapter and plug.

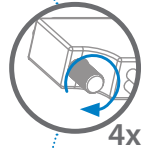


Link Cable

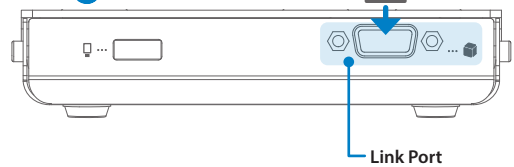
(Included)

Connect the base unit and the control surface.

- * The link cable connection is required before turning power on.
- * Firmly tighten the lock screws to avoid disconnection unexpectedly.
- * Do not unplug while operating.
- * Use only the included link cable.



A Control Surface

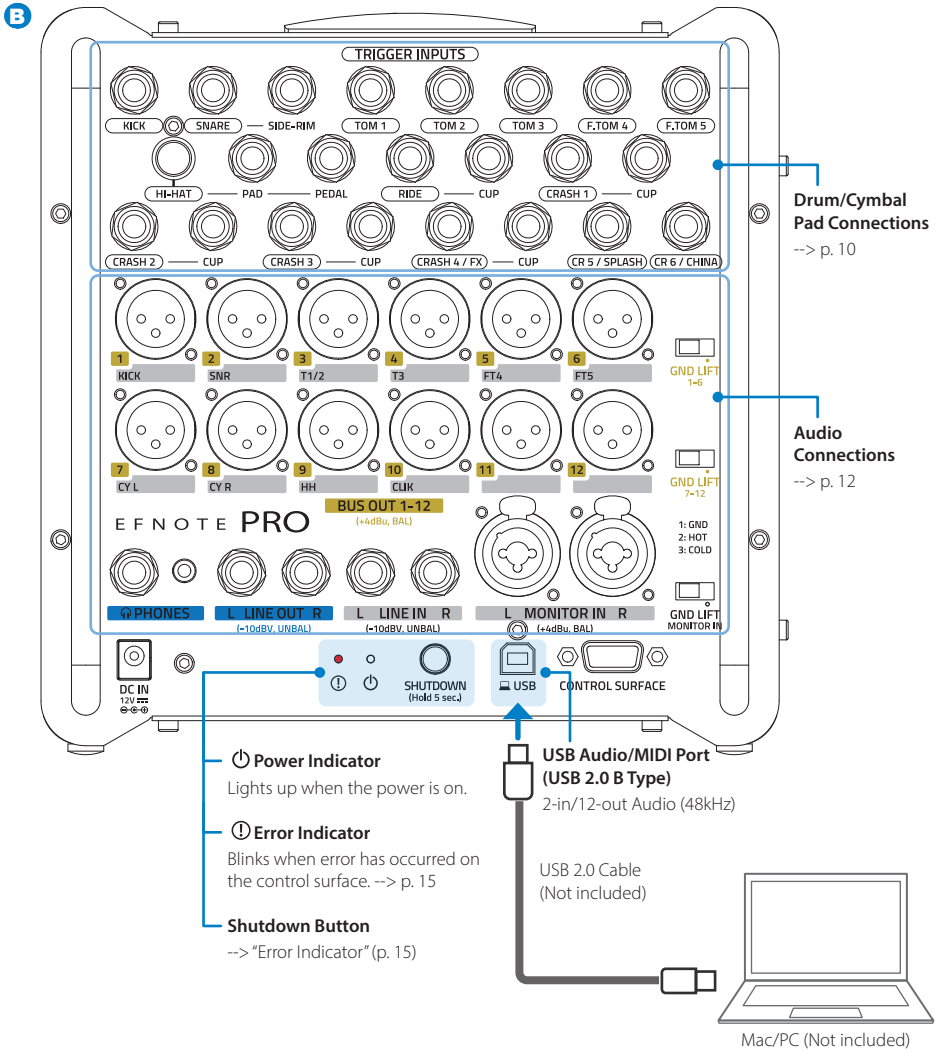


NOTE

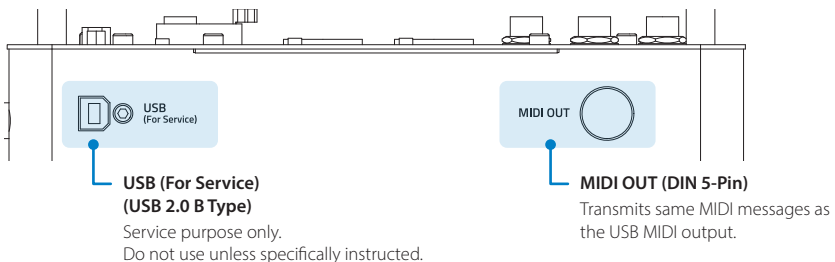
* In case the link cable is accidentally unplugged during operation, the base unit will continue to perform so that the drummer can continue playing. However, reconnecting the link cable during operation does not guarantee proper functioning, so restarting the EFNOTE PRO is required.

--> "Error Indicator" (p. 15)

Base Unit



B (Right Side)

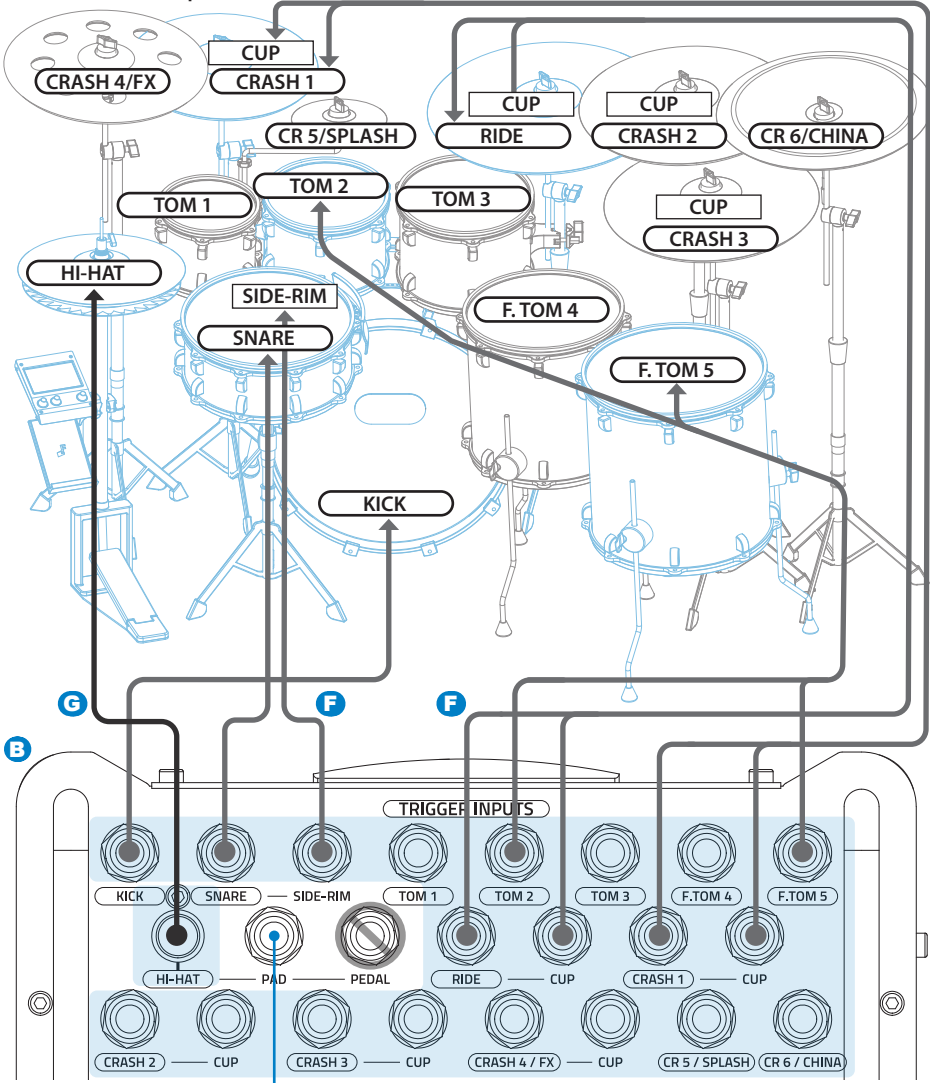


■ Drum/Cymbal Pad Connections

EFNOTE PRO 700/500 standard configuration is shown in blue, and optional drum/cymbal pads are shown in gray.

* Connection lines only for EFNOTE PRO 700/500 standard configuration are shown.

Connection Example



When using the EFD-HC3 as a hi-hat control pedal, connect a hi-hat pad to the "PAD" port of hi-hat.

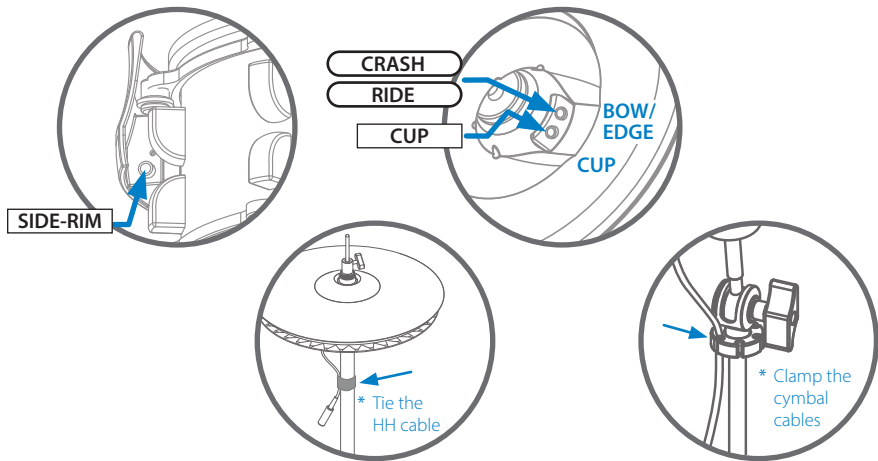
* To connect optional pads, additional trigger cables sold separately may be required.

* The "PEDAL" port of hi-hat is currently not used.

Trigger Input Specification

Trigger Input	Zone Supported	Sound Assignable	Bus Assignable
KICK	Head		
SNARE	Head/Rim/Side-Rim		
TOM 1	Head/Rim	Kicks, Snare Drums, Toms, Percussion	Bus 1–6
TOM 2			
TOM 3			
F. TOM 4			
F. TOM 5			
HI-HAT	Bow/Edge/Cup	Hi-Hats, Ride Cymbals, Crash Cymbals, Percussion	Bus 7–12
RIDE			
CRASH 1			
CRASH 2			
CRASH 3			
CRASH 4 / FX			
CR 5 / SPLASH	Bow/Edge		
CR 6 / CHINA			

- Expansion packs are available to easily expand your drum kit configuration. For the details, see the web (p. 3).
- About the individual optional drum/cymbal pads, see the Optional Components web (p. 3).
- For the detail of the drum/cymbal pads, see the "Optional Components Reference Guide" PDF available on the web (p. 3).



NOTE

- * To avoid disconnecting the trigger cables unexpectedly, tie or clamp the cables.
- * The trigger input circuit and the ELISE sensing processor are designed to maximize the performance in combination with EFNOTE pads. Performance cannot be guaranteed when used in combination with pads made by other companies.
- * Failures and malfunctions caused by connecting pads made by other companies are not covered by the warranty.

After connecting pads

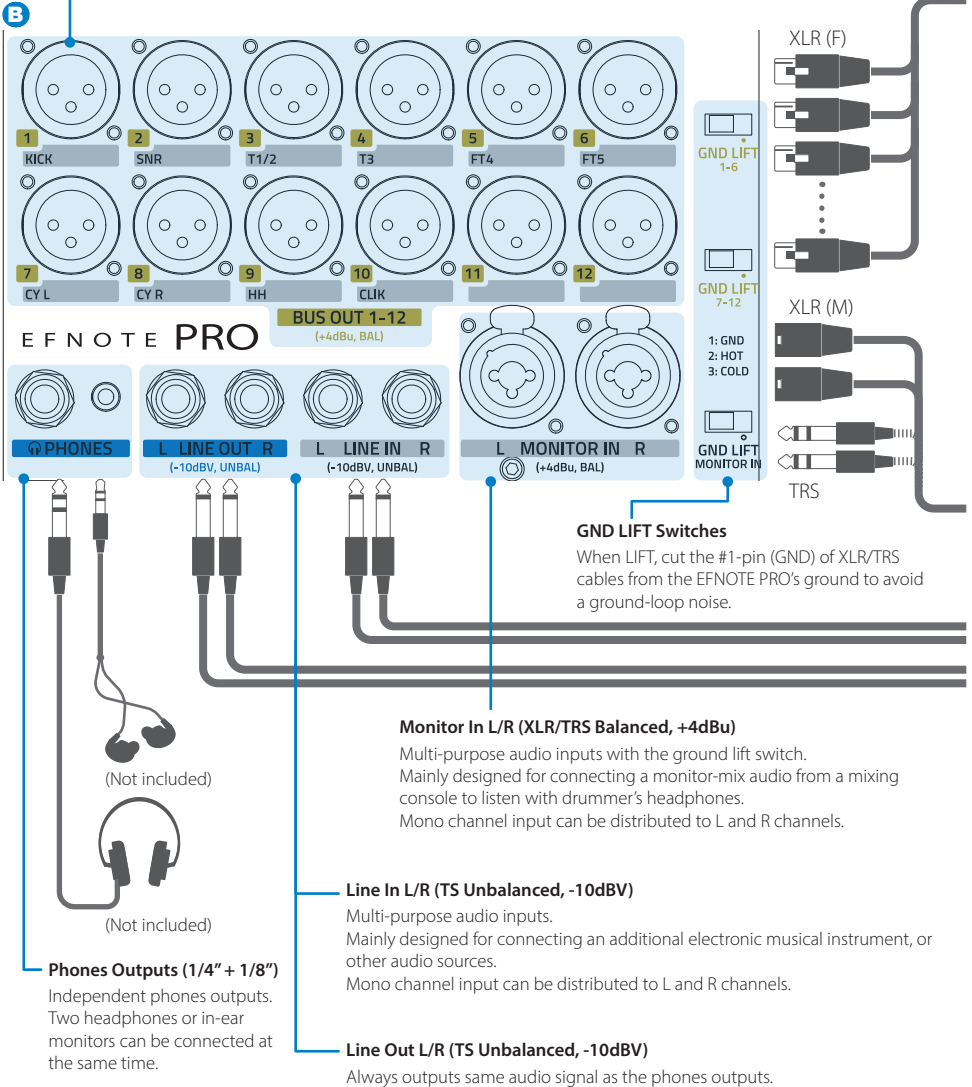
Be sure all pad models being connected are correctly configured on the trigger screen. And then, calibrate your hi-hat controller.

- Configure the pad model. --> p. 21
- Adjust the hi-hat sensor. --> p. 22

■ Audio Connections

Bus Out 1–12 (XLR Balanced, +4dBu with Attenuator)

Drum's and cymbal's individual outputs can be replaced with microphones for acoustic drums. The built-in attenuator on the XLR outputs allow you to match the level with the input of any mixer. The built-in ground lift switches help to avoid ground-loop noise.

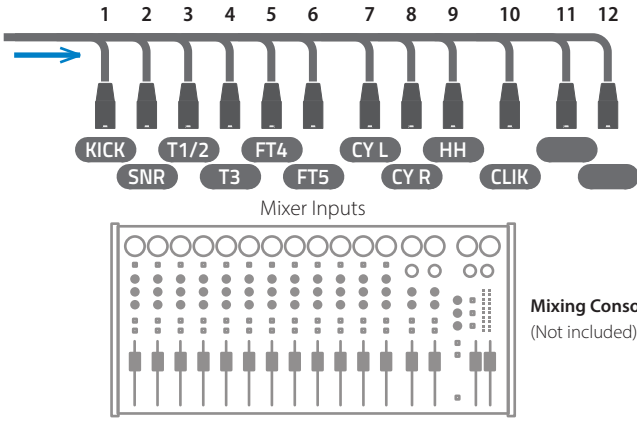


CAUTION

Be sure not to listen to audio at high volume. It can cause permanent hearing loss.

- * Do not apply phantom power (+48V DC) to any input/output connectors. It may cause malfunction.
- * Audio cables are not included.

Connection Example



Default bus assignments

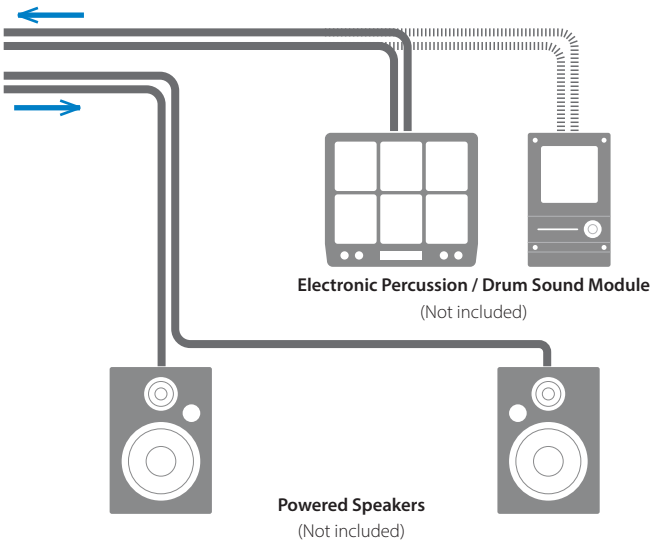
Bus	Pad/Source
1	Kick
2	Snare
3	Tom 1/2
4	Tom 3
5	Floor Tom 4
6	Floor Tom 5
7	Cymbals L
8	Cymbals R
9	Hi-Hat
10	Click
11	Line In L
12	Line In R

* Kick/snare/toms can route to Bus 1-6 only, and hi-hat/cymbals can route to Bus 7-12 only.

Aux Send or Bus Out for Monitor

Bus Assignment Examples

--> p. 25

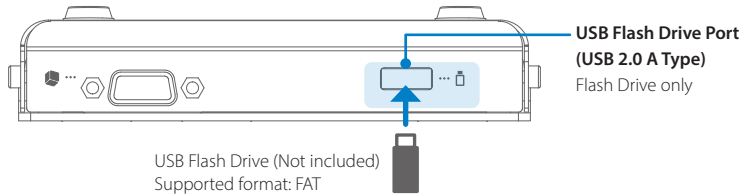


Block Diagram

--> p. 34

Control Surface

A (Rear)



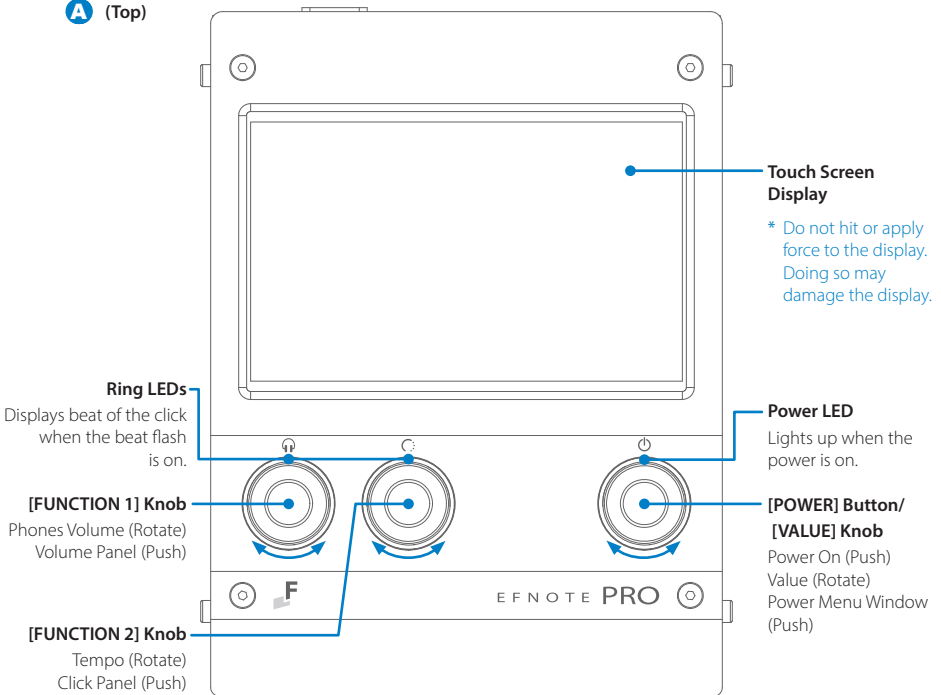
USB Flash Drive Port (USB 2.0 A Type)

Flash Drive only

USB Flash Drive (Not included)
Supported format: FAT

- * Do not disconnect while the progress bar is shown in the display.
- * Use a commercially available USB flash drive. The compatibility is not guaranteed for all commercially available USB flash drives. Some USB flash drives may not be compatible.

A (Top)



Touch Screen Display

- * Do not hit or apply force to the display. Doing so may damage the display.

Ring LEDs

Displays beat of the click when the beat flash is on.

[FUNCTION 1] Knob

Phones Volume (Rotate)
Volume Panel (Push)

[FUNCTION 2] Knob

Tempo (Rotate)
Click Panel (Push)

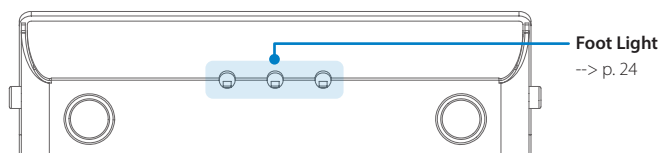
Power LED

Lights up when the power is on.

[POWER] Button/

[VALUE] Knob
Power On (Push)
Value (Rotate)
Power Menu Window (Push)

A (Bottom)



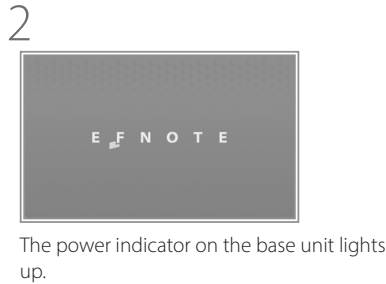
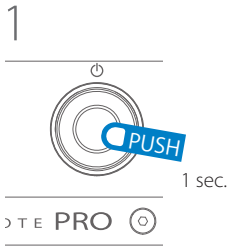
Foot Light

--> p. 24

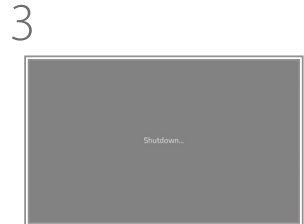
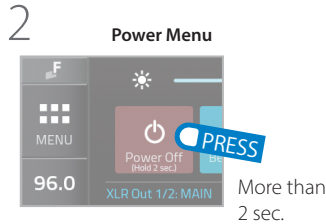
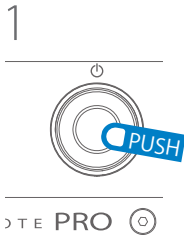
Basic Operation

■ Power On/Off

Power On



Power Off



* Not performing this procedure may result in loss of changes.

Auto Power Saving

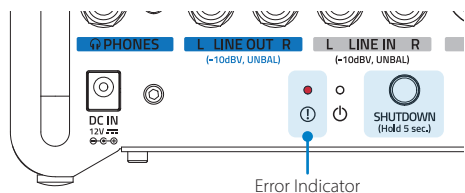
The auto power saving function will turn power off automatically after specified inactive period. This function can be disabled (p. 24).

Error Indicator

Error Indicator	Description
Blinking per second	Communication between the base unit and the control surface has been lost.
Faster blinking (10 times/second)	Supplying the power to the control surface was cut off because an over-current was detected in the link cable.

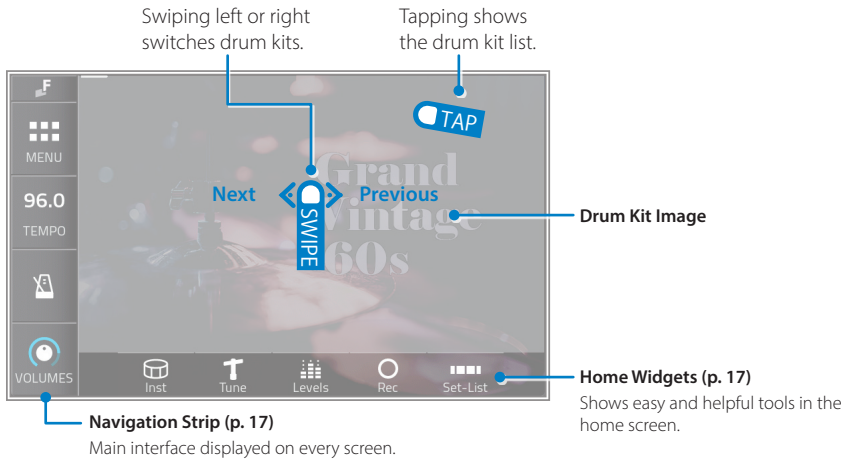
Press and hold the [SHUTDOWN] button on the base unit for more than 5 seconds to turn off the power. Then check if there is any problem with the link cable or the link port connectors, and if the link cable is connected correctly.

- * If the case is not improved, please contact the store you purchased from, or your local distributor (p. 35).
- * In case the link cable is accidentally unplugged during operation, the base unit will continue to perform so that the drummer can continue playing. However, reconnecting the link cable during operation does not guarantee proper functioning, so restarting the EFNOTE PRO is required.
- * Use the [SHUTDOWN] button only when the surface unit cannot be used to turn off. Turning off with this button may result in loss of changes.



Home Screen

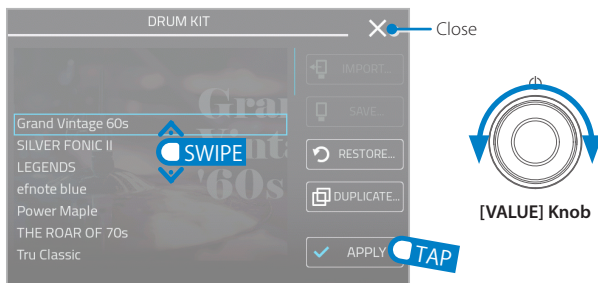
■ Switching Drum Kits



- After switching drum kits, it takes a few seconds to load it.
- The kit switching operation can be changed to tap instead of swipe. --> MENU > SETTINGS > Options

Drum Kit List

Tapping the drum kit image shows the drum kit list.



RESTORE...	Restores the selected preset drum kit to the factory state.
DELETE...	Deletes the selected drum kit. * Preset drum kits cannot be deleted.
DUPLICATE...	Duplicates the selected drum kit on the list. Enter new drum kit name, and tap [OK].








- To create a new drum kit, duplicate any drum kit.
- Preset drum kits can be edited, but cannot be renamed or deleted
- Duplicated drum kits (user drum kits) appear after the preset drum kits in the drum kit list, sorted by drum kit name.

■ Creating a New Drum Kit

Duplicate any drum kit on the drum kit list. See above.

Navigation Strip

The navigation strip provides fundamental controls and menus, and is displayed on every screen so that can be accessed easily at any time.

	[F] Button	Shows the Power Menu window. <ul style="list-style-type: none"> Pushing the [POWER] button also shows the Power Menu.
	[MENU] Button	Shows the Menu. --> p. 17
	[TEMPO] Button	Shows the Click Setup window. --> p. 19 <ul style="list-style-type: none"> The current tempo is displayed on the button.
	[HOME] Button	Returns to Home screen.
	[CLICK] Button	Turns the click (metronome) on/off. --> p. 19 <ul style="list-style-type: none"> The beat indicator is displayed on the button.
	[VOLUMES] Button	Shows the Volumes window. --> p. 18 <ul style="list-style-type: none"> The volume indicator shows the current phones volume. When the phones source is set to BUS MIX, the volume indicator is shown in yellow.
	Trigger Level Meter	Displays strength (velocity) of shots detected by the ELISE sensing processor.

Menu

The menu window provides entrances to various screens. Tapping the [MENU] button shows this window.



Reference Guide PDF

For the detailed information about screens accessible from the menu, please refer to the "Reference Guide" available on the web below.

ef-note.com/products/drums/EFNOTEPRO/efnotepro.html#downloads



Home Widgets

The home widgets allow you to perform various edits and operations within the home screen.

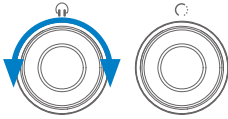


Inst	Changes Inst (sound) on currently selected pad. --> p. 20
Tune	Modifies tuning and muffing on currently selected pad. --> p. 20
Levels	Adjusts each pad level. --> p. 20
Rec	Controls built-in recorder function.
Set List	Controls Set-List function. • See the "Reference Guide" PDF.

■ Adjusting the Phones Volume

By default setting:

1



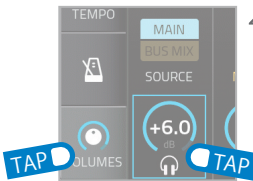
[FUNCTION 1] Knob



The volume indicator shows the current volume.

Adjust with the [VALUE] knob:

1



2

3



[VALUE] Knob



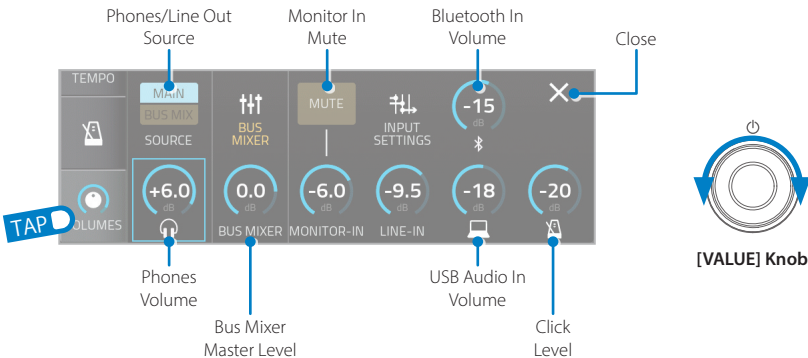
NOTE

For normal use, make sure the MAIN is selected. If not, tap it to change.

CAUTION Be sure not to listen to audio at high volume. It can cause permanent hearing loss.

Volumes Window

Phones volume, click level, and each audio input volume can be controlled centrally on this screen.



[VALUE] Knob

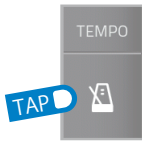
Select a volume you want to change by tapping it, and change with [VALUE] knob.

- Line Out Level --> MENU > SETTINGS > Options > Line-Out Level

■ Using the Click (Metronome)

Turn the click on/off

1

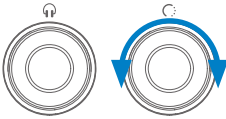


The beat indicator is displayed when on.

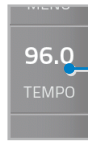
Changing the tempo

By default setting:

1



[FUNCTION 2] Knob



Current tempo is displayed.

- Tapping the [TEMPO] button shows the click setup window. See below.
- By default, pushing the [FUNCTION 2] knob also shows the click setup window.

Click Setup Window

Click Setup Memory A/B/C/D

Tapping memory button recalls click setups.
To store changes, tap [STORE] and select the memory.

The Click Setup Window interface includes the following elements:

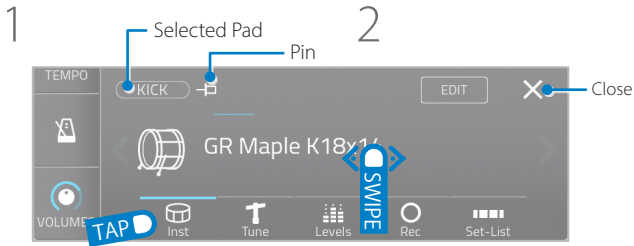
- Top Left:** A 'TAP' button and a '96.0 TEMPO' display.
- Top Center:** A 'STORE' button and four memory selection buttons labeled 'A', 'B', 'C', and 'D'.
- Top Right:** A 'Close' button (represented by an 'X' icon).
- Tempo Slider:** A horizontal slider with numerical values from 48 to 216 in increments of 12. The current value is 96.0.
- Bottom Row:** Four parameter controls: 'VOLUMES' (with a volume icon), 'Tempo' (displaying 96.0), 'Beat' (displaying 4/4), and 'Click Level' (displaying -20 dB).
- Bottom Center:** A 'DRAG' button and a 'Click Note Interval' control (displaying a quarter note).
- Bottom Right:** A 'Sound' control (displaying 'SOFT') and a 'Click Level' control (displaying '-20').

Labels with arrows point to the 'Click On/Off' button, the 'STORE' button, the 'Tempo Slider', the 'Click Note Interval', the 'Click Level', and the '[VALUE] Knob' (represented by a circular knob icon).

Select a parameter you want to change by tapping it, and change with [VALUE] knob.

■ Changing the Instrument

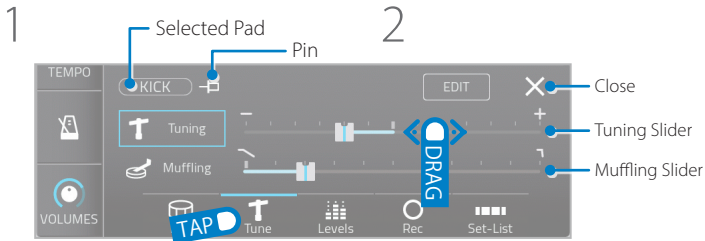
Hit the pad you want to change its Inst.



- Tapping the Inst name shows the Inst list.
- If pinned, the selected pad won't be changed by hit.
- Changes are saved automatically.

■ Modifying the Tuning and Muffling

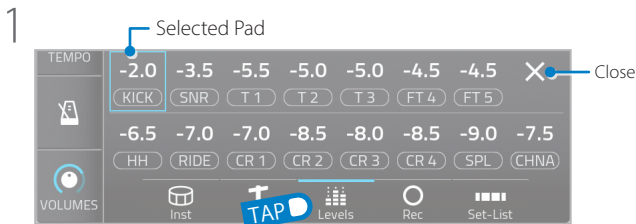
Hit the pad you want to modify the tuning (pitch) and muffling (sustain).



- The [VALUE] knob can also adjust the slider.
- If pinned, the selected pad won't be changed by hit.
- Changes are saved automatically.

■ Adjusting the Pad Levels

Hit the pad you want to adjust the level.



[VALUE] Knob

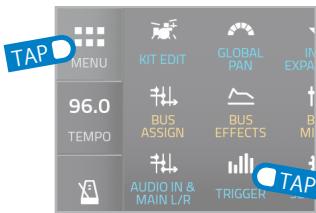
- Changes are saved automatically.

* Clipping may occur when exceeding 0dB.

Settings

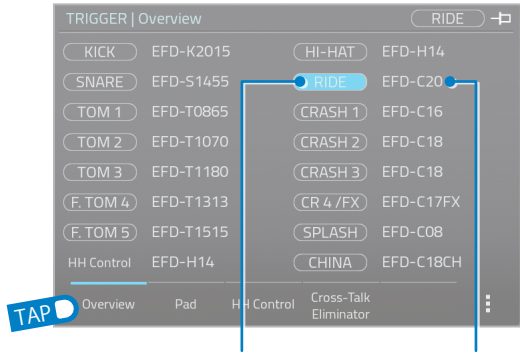
■ Configuring the Pad Model (Trigger Settings)

1



2

3



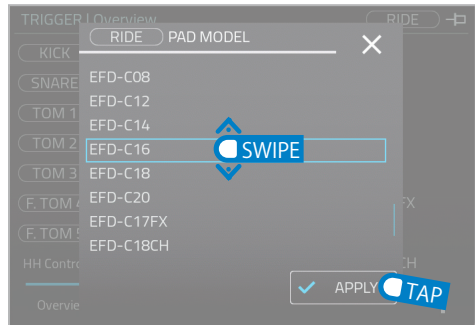
The trigger input name to which the pad you are hitting is connected will be highlighted.

Shows the pad model currently configured.

4



5



- Other detailed trigger parameters can be adjusted on the Pad tab. See the "Reference Guide" PDF available on the web (p. 17).

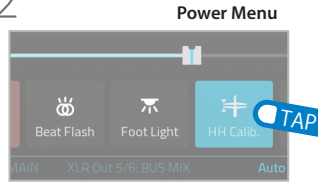
■ Adjusting the Hi-Hat (Auto Calibration)

1

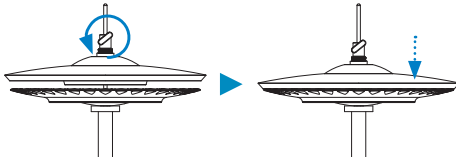


[VALUE] Knob

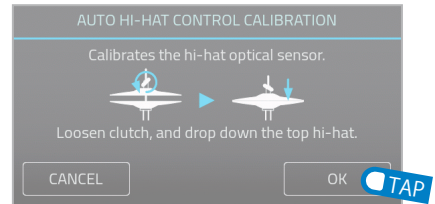
2



3 Drop the top hi-hat cymbal.



4

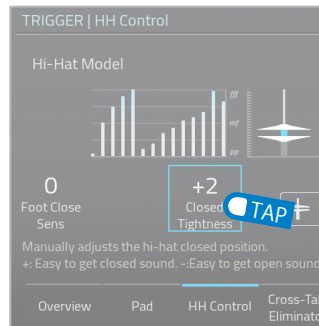


* After the calibration, be sure the Closed Tightness is set to 0.

Adjusting the hi-hat manually

MENU > TRIGGER > HH Control

- When the hi-hat sound is not closed enough when pressing the pedal firmly, increase the "Closed Tightness" value.
- When the hi-hat sound does not open easily when you slightly release the pedal, decrease the value.
- The default setting is "0".



[VALUE] Knob

■ Using Bluetooth® Audio

You can connect your smartphone or computer to the EFNOTE PRO to listen to the audio with Bluetooth.

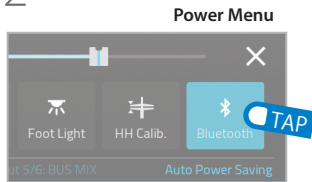
Connecting

1



[VALUE] Knob

2



3



Make sure the status is "Ready to pair".

If the status is "Off", tap the switch to turn on.

On your smartphone/computer

4

Turn Bluetooth on.

5

Find new device discoverable as "EFNOTE PRO AUDIO xxx" (xxx is any value), and select it.

6

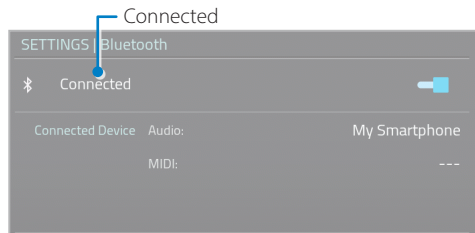
If pin code is required, enter "0000" (four zeros).

7

Tap [Pair].

8

Make sure the status changes to "Connected", and your device name is displayed.



Now, you can listen to the audio playing on your smartphone/computer.

* Make sure to increase the volume of your smartphone/computer.

Disconnecting

1

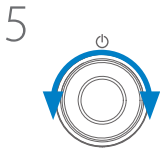
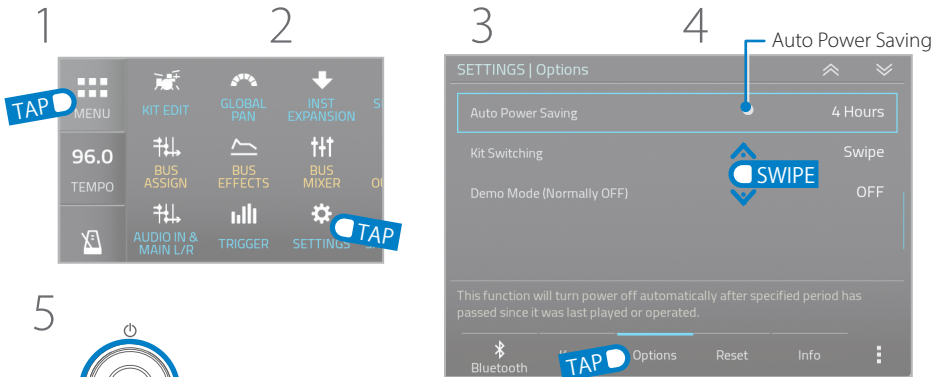
Tap [Disconnect] on your smartphone/computer.

Re-connecting

1

Tap [Connect] on your smartphone/computer.

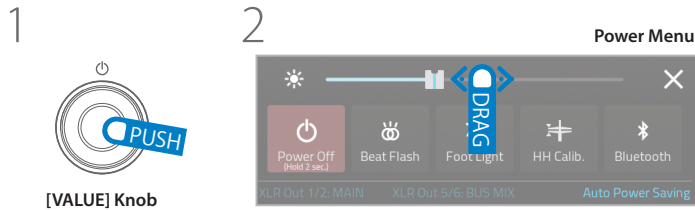
■ Changing the Auto Power Saving Setting



[VALUE] Knob

* When "Disable", the module will not turn off automatically.

■ Adjusting the Display Brightness



[VALUE] Knob

■ Using the Foot Light



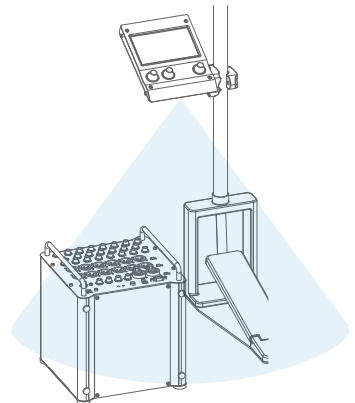
[VALUE] Knob

The foot light illuminates the area around the connectors on the base unit and is useful for connection work on a dark stage.

- The foot light dimmer can be adjusted.
--> MENU > SETTINGS > Options

CAUTION

- * When the foot light is turned on, it emits a strong light, so please be careful not to look directly into it or point it at people.

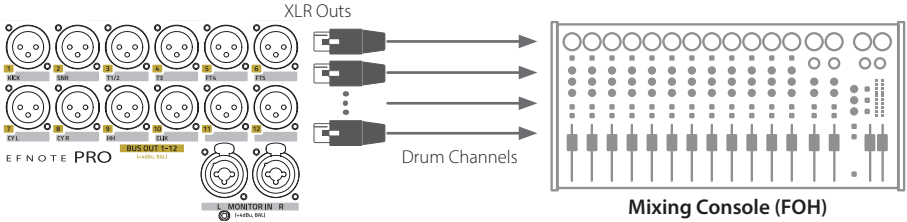


Buses and XLR Outputs

EFNOTE PRO is equipped with 12 buses and 12 corresponding XLR outputs, and the sound of each pad can be output individually.

Bus Assignment Examples

EFNOTE PRO allows flexible bus assignment according to the number of drum channels on your mixer. Here are some examples of bus assignments.



	XLR Outputs (Bus Assignment)													
	1	2	3	4	5	6	7	8	9	10	11	12		
2 chs					Bus Mix L/R									*1*2
2 chs	Main L/R													*2
3 chs	Main L/R		Snare											*2*3
4 chs	Main L/R		Kick	Snare										*2*3
4 chs			Kick	Snare	Bus Mix L/R									*1*2
4 chs	Kick	Snare	Toms				Cyms							
5 chs	Kick	Snare	Toms				Cyms	Hi-Hat						
6 chs	Kick	Snare	Tom 1/2/3	F. Tom 4/5			Cyms	Hi-Hat						
7 chs	Kick	Snare	Tom 1/2/3	F. Tom 4/5			Cymbals L/R	Hi-Hat						
8 chs	Kick	Snare	Tom 1/2	Tom 3	F. Tom 4/5		Cymbals L/R	Hi-Hat						
10 chs	Kick	Snare	Tom 1/2	Tom 3	F. Tom 4	F. Tom 5	Cymbals L/R	Hi-Hat	Ride					
10 chs	Kick	Snare	Tom 1/2	Tom 3	F. Tom 4	F. Tom 5	Cymbals L/R	Hi-Hat	Click					*4
12 chs	Kick	Snare	Tom 1/2	Tom 3	F. Tom 4	F. Tom 5	Cymbals L/R	Hi-Hat L/R			Ride L/R			
12 chs	Kick	Snare	Tom 1/2	Tom 3	F. Tom 4	F. Tom 5	Cymbals L/R	Hi-Hat L/R			Line In L/R			*5

*1 Bus Mix L/R is an 2ch audio that mixes each bus with the built-in Bus Mixer. For the detail, see the "Reference Guide" PDF available on the web (p. 17).

*2 XLR 1/2 outputs can be flipped to Main L/R outputs, and XLR 5/6 outputs can be flipped to Bus Mix L/R. -> p. 27

*3 Specific pads can be excluded from the Main L/R. -> p. 27

*4 On-board click (metronome) can be assigned to the bus so that the other players can hear it.

*5 Audio signal input to the Line In can be assigned to the bus.

- Bus 1-12 can also be sent to your Mac/PC with USB audio simultaneously.

■ Assigning Buses

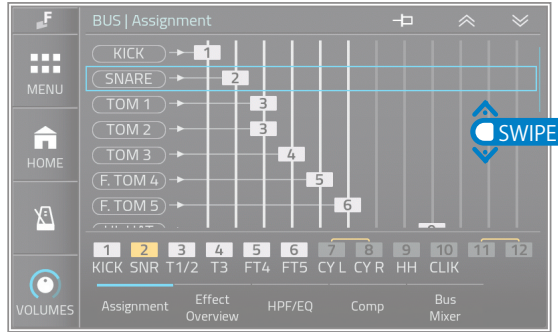
Assign which bus is used to output for each pad, on-board click, Monitor In, and Line In. Selecting two buses such as 1+2, can be assigned as stereo.

1



2

Select a source to configure. Hitting a pad can select it as a source.



3



[VALUE] Knob

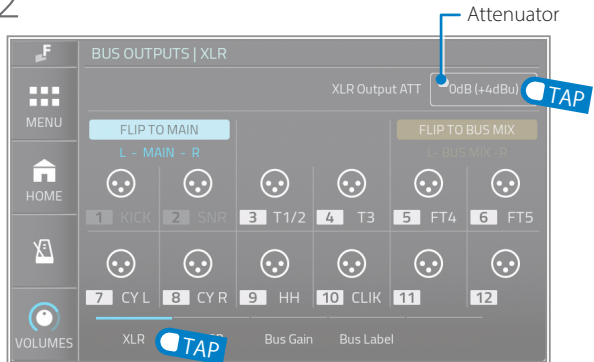
- * Kick/snare/toms can route to Bus 1–6 only, and hi-hat/cymbals can route to Bus 7–12 only.
- * On-board click (metronome), Line In, Monitor In audios can route to Bus 1–12.

■ Changing Levels of the XLR Outputs (Attenuator)

1

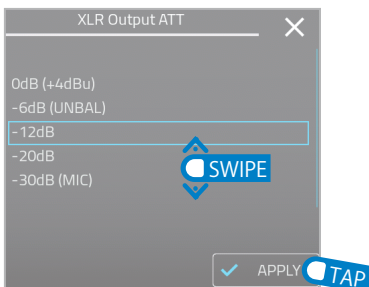


2



3

Select the attenuation.



- Set the attenuator to match the input level range of the connected mixer.

HINT

- When connected to line level (-10dBV) inputs with unbalanced cables, setting to “-6dB” is recommended.
- When connected to microphone inputs, set to “-20dB” or “-30dB”.

- * The attenuator setting works for all of XLR 1–12 outputs.
- * About the input specification of your mixer, refer to the manual of the mixer.

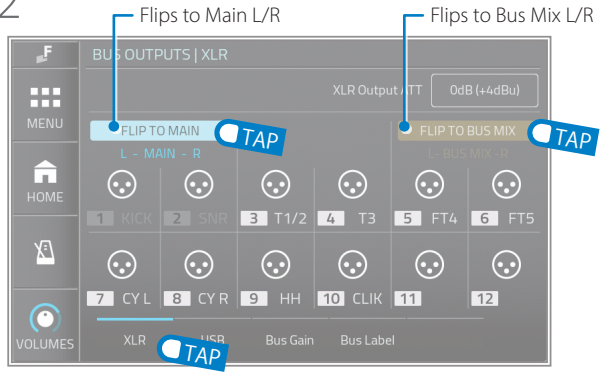
■ Flipping the XLR 1/2 Outputs to Main L/R Outputs

■ Flipping the XLR 5/6 Outputs to Bus Mix L/R Outputs

1



2



■ Excluding Output of Pads from the Main L/R

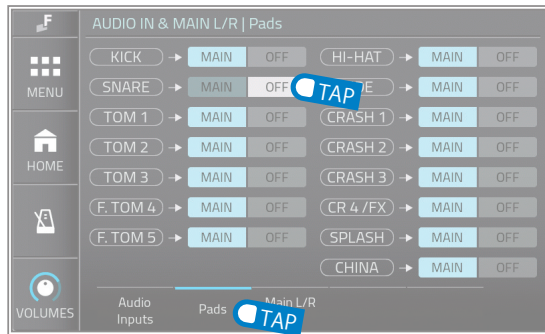
By default, all pad sounds are assigned to Main L/R. You can exclude specific pads from Main L/R.

1



2

Turn OFF the pads you want to exclude from Main L/R.



Notification Indicators

When attenuating the XLR, flipping XLR to Main/Bus Mix, or Excluding pad from Main, corresponding notification indicators in the power menu will light up.



Notification indicators

■ Using the Bus HPF/EQ

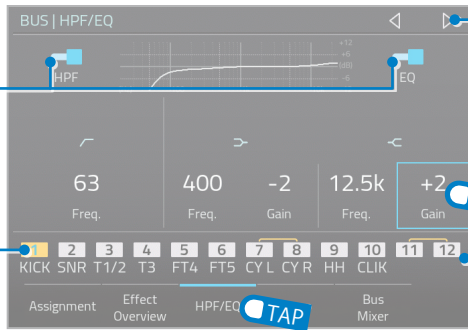
Each bus has HPF (high pass filter) and 2-band shelving EQ.

1



Turn HPF or EQ on/off.

2 Select "HPF/EQ" tab.



Use arrow keys to move the bus back and forth.

- Selected bus is shown in yellow.
- Bus number is shown in blue when the HPF or EQ is ON.

3 Select a bus that you want to configure by tapping the bus selector.

4 Select a parameter by tapping it, and change it with [Value] knob.

- When the Stereo-Link is enabled, settings are synced for both paired buses. About the Stereo-Link, see the "Reference Guide" PDF available on the web (p. 17).

* To listen to the EQ/HPF-applied sound with headphones, use Bus Mixer. --> p. 29

■ Using the Bus Compressor

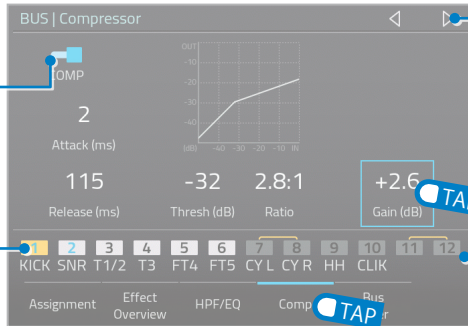
Bus 1–6 come with compressor.

1



Turn compressor on/off.

2 Select "Comp" tab.



Use arrow keys to move the bus back and forth.

- Selected bus is shown in yellow.
- Bus number is shown in blue when the compressor is ON.

3 Select a bus that you want to configure by tapping the bus selector.

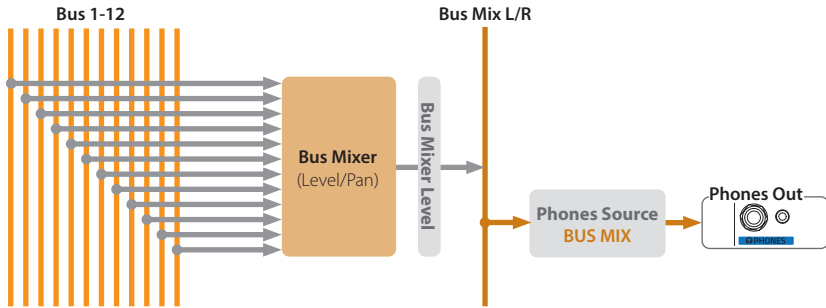
4 Select a parameter by tapping it, and change it with [Value] knob.

- When the Stereo-Link is enabled, settings are synced for both paired buses, and this synchronizes the operation of the compressors. About the Stereo-Link, see the "Reference Guide" PDF available on the web (p. 17).

* To listen to the compressor-applied sound with headphones, use Bus Mixer. --> p. 29

■ Monitoring the Bus Sound by Using the Bus Mixer

By using the bus mixer, you can mix audio on bus 1–12 and monitor it with headphones. Each fader/pan control does not impact to the bus outputs.

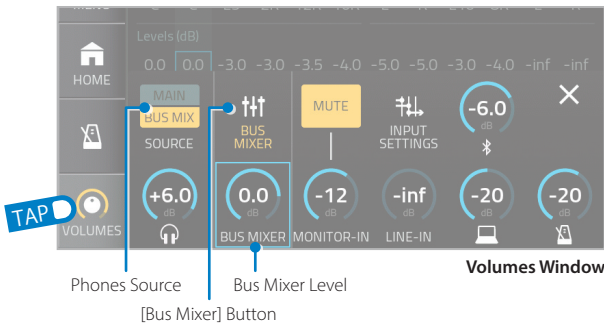


1

2 Change the phones source to BUS MIX.

3

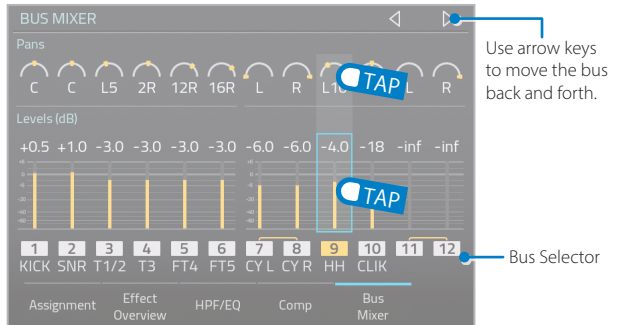
Set the Bus Mixer level to 0dB.



4 Tap [BUS MIXER] button.



5 To adjust level or pan on a bus, select the bus by tapping it.



6



[VALUE] Knob

- The Bus Mixer can also output to XLR 5/6. --> p. 27
- For the detail about the Bus Mixer and Bus Mix L/R audio, see the "Reference Guide" PDF available on the web (p. 17).

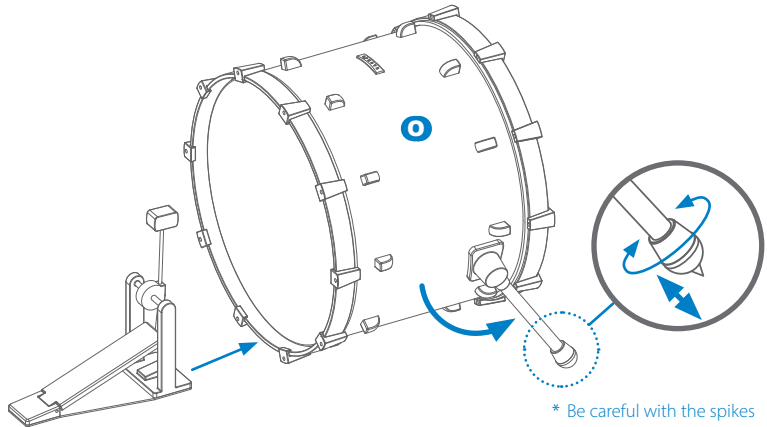
Kit Assembling

EFNOTE PRO 700 EFNOTE PRO 500

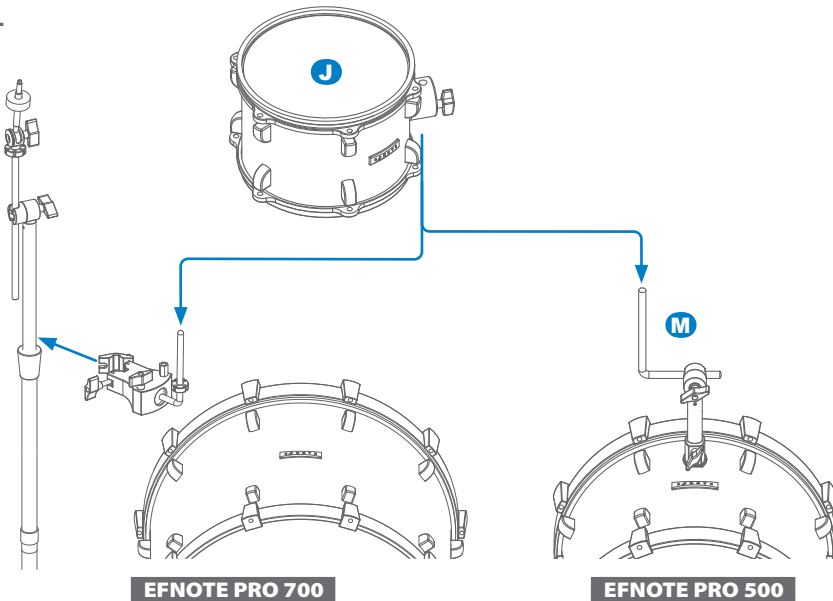
NOTE Please take your time with assembly and contact us with any questions (p. 35).

* The hardware shown in this manual, including kick pedal, hi-hat stand, snare stand, tom stand/holder and cymbal stands are optional, and may be included depending on the package purchased. For details, please contact the store where you purchased the product.

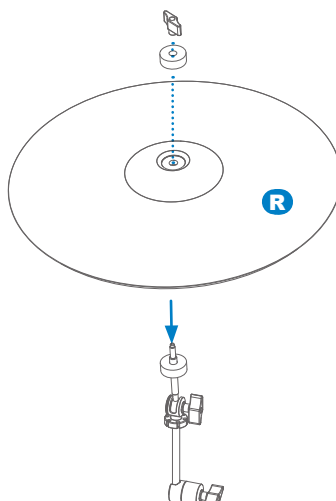
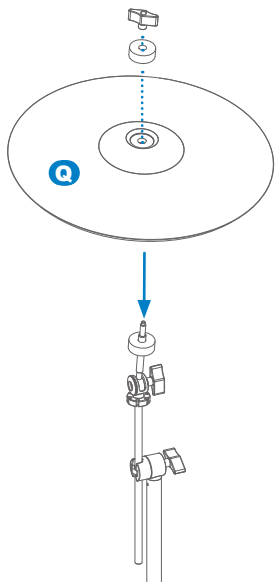
1



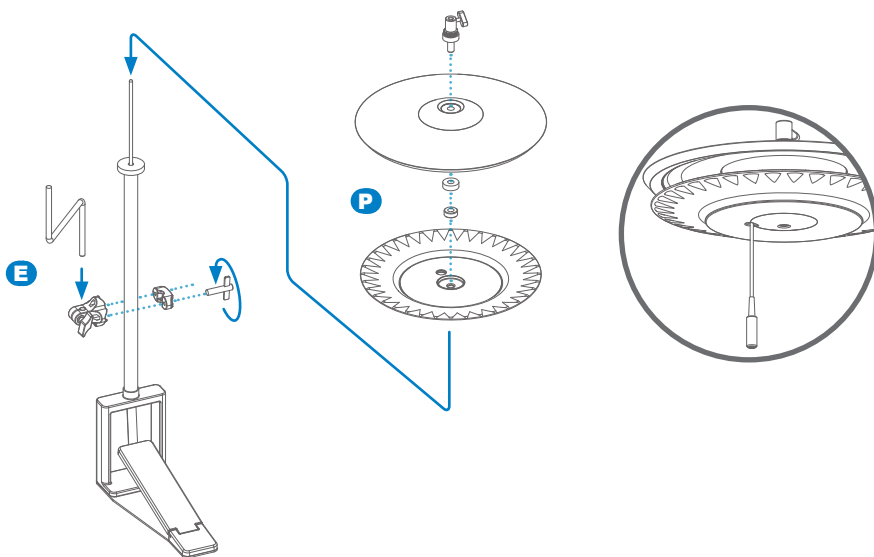
2



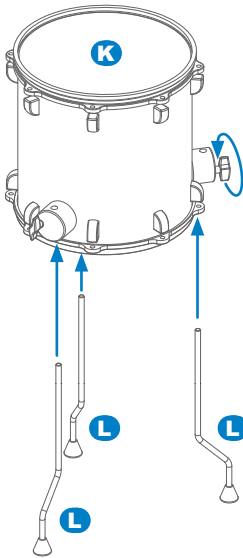
3



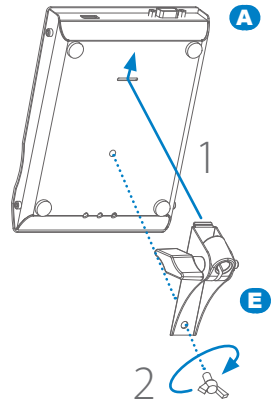
4



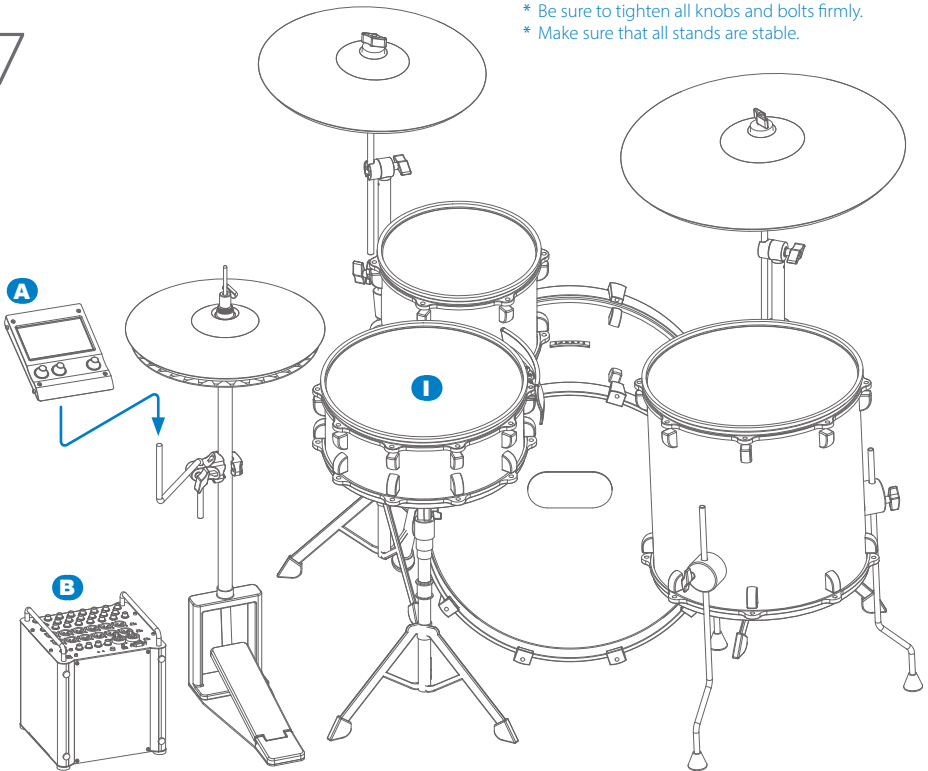
5



6



7



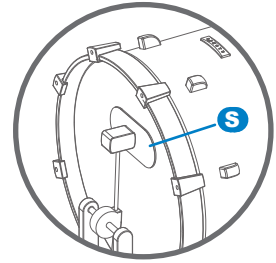
- * Be sure to tighten all knobs and bolts firmly.
- * Make sure that all stands are stable.

Attaching the Beater Patch

Attach the beater patch to where the kick pedal beaters touch on the head of the kick.

NOTE

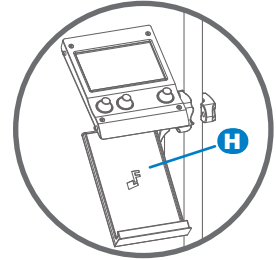
- * Playing without the beater patch may cause damage of the head.
- * The beater patch is a consumable item. Replace when it has worn.
- * Do not use felt-sided beaters on mesh drum heads, not even with the patch. Use a smooth, rounded plastic or wooded beater with no sharp edges.



Attaching the Smartphone Tray

If you prefer, the smartphone tray (included) can be attached to the module mount below the control surface.

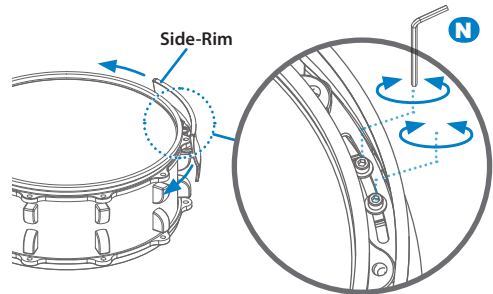
- * Be careful that your smartphone does not fall from the smartphone tray.



Adjusting the Side-Rim Position

EFPNOTE PRO 700

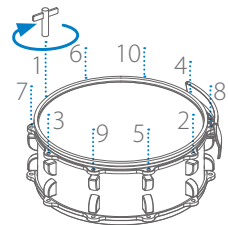
The side-rim can be moved side to side, to adjust its position. Loosen the bolts shown in the figure with included hex key, and adjust the position, then tighten up the bolts again.



Tuning the Head Tension

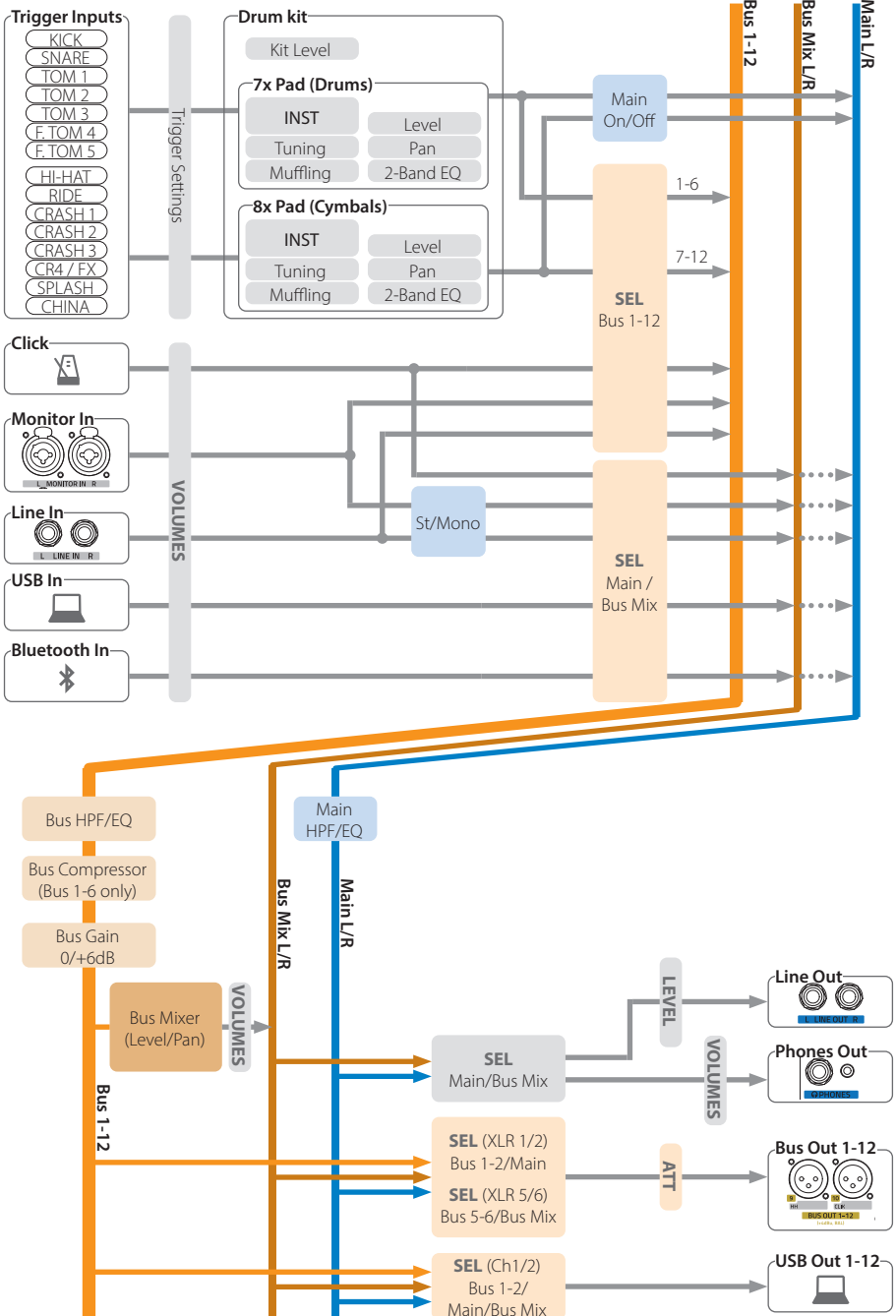
Make sure the mesh drum heads are not to loose. Tighten up the tuning bolts evenly with the tuning key, if needed.

- * The mesh drum head is a consumable item. Replace when it has worn.



* For the detail about the individual components and optional components, please refer to the "Optional Components Reference Guide" PDF available on the web (p. 3).

Simplified Block Diagram



Specifications

Electronic Drums: EFNOTE PRO, EFNOTE PRO 700/500 Series

Sound Module: EFD-PRO

Item	Specification
Trigger Interface	<ul style="list-style-type: none"> • 3-Zone: (7x) Snare, Hi-Hat, Ride, Crash 1/2/3/4 (FX) • 2-Zone: (7x) Tom 1/2/3/4/5, Crash 5 (Splash), Crash 6 (China) • 1-Zone: (1x) Kick
Audio / MIDI Interface	<ul style="list-style-type: none"> • Bus Out: 12x XLR(M) (+4dBu, Balanced, +23dBu Max) Attenuator (-6dB, -12dB, -20dB, -30dB) • Line Out: 2x 1/4" TS Phone (-10dBV, Unbalanced, +14dBV Max) • Phones Out: 1x 1/4" Stereo (320 + 320 mW @32Ω) 1x 1/8" Stereo (320 + 320 mW @32Ω) • Monitor In: 2x XLR(F)&1/4" TRS Combo (+4dBu, Balanced, +24dBu Max) • Line In: 2x 1/4" TS Phone (-10dBV, Unbalanced, +10dBV Max) • USB: USB (B type) Port (Hi-Speed), Audio 12ch Out / 2ch In, MIDI In/Out • Bluetooth: Audio Input (A2DP), MIDI In/Out (Bluetooth Low Energy/GATT) Transmission Frequency: 2402–2480 MHz, Maximum Transmit Power: 2.5 mW EIRP • MIDI Out: 5-pin DIN
Other Interfaces	<ul style="list-style-type: none"> • Link Port: D-SUB 9-pin, Use included link cable (EFD-DSUB9-2) only • USB (Flash Drive): USB (A type) Port (USB 2.0), Supports flash drive only • USB (For Service): USB (B type) Port, For service purpose only
Recorder	<ul style="list-style-type: none"> • Resolution: 480 TPQN • Tracks: 15
Power Supply / Current Draw	AC Adapter (FJ-SW1202000N-EFNOTE) DC 12V / 1.5A
Dimensions / Weight	Control Surface: 128 (W) x 172 (D) x 30 (H) mm / 700 g Base Unit: 206 (W) x 210 (D) x 238 (H) mm / 3,250 g * Excluding protrusions

* 0dBu = 0.775Vrms, 0dBV = 1.0Vrms

* Specification and design are subject to change without prior notice.

Support

Please contact us with questions and comments, we would love to hear from you.

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